## INTERNATIONAL SEARCH REPORT

In tional Application No PCT/IB2004/051996

L CLASSIFIC	CATION OF SUBJECT MATTER H01J9/00 H01J33/04 H01J5/1	1.8	
ecording to I	International Patent Classification (IPC) or to both national classif	fication and IPC	
FIELDS S	EARCHED		
linimum docu PC 7	umentation scarched (classification system followed by classification HOIJ B23K	ation symbols)	
	n searched other than minimum documentation to the extent that		
Electronic dat	ta base consulted during the international search (name of data	base and, where practical, search terms used)	
EPO-Into	ernal, PAJ, WPI Data, INSPEC		
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		Relevant to claim No
Category °	Citation of document, with indication, where appropriate, of the	e relevant passages	Relevant to claim 140
х	US 2002/048344 Al (BACHMANN PETAL) 25 April 2002 (2002-04-25) paragraphs '0028! - '0030!, ' figures 1,2		1,2,9-12
X	US 5 478 266 A (KELLY ET AL) 26 December 1995 (1995-12-26) column 5, line 60 - column 6, column 16, line 46 - column 17 figure 7	line 24 , line 18;	1,3-5,7,8,10
X	US 2002/048345 Al (BACHMANN PE AL) 25 Apri 1 2002 (2002-04-25) paragraphs '0013!, '0028!; c1 figures 1,2		1,10-12
		-/	
X Fur	ther documents are listed in the continuation of box C	Patent family members are liste	d in annex
° Special of	categories of cited documents  cent defining the general state of the art which is not didered to be of particular relevance.  document but published on or after the international	T later document published after the i or pnority date and not in conflict we cited to understand the principle or invention  1X document of particular relevance, the	theory underlying the
filing  LI docum which citati  O" docum other	g date  sent which may throw doubts on priority claim(s) or  the scited to establish the publication date of another  son or other special reason (as specified)  ment referring to an oral disclosure, use, exhibition or  r means	cannot be considered novel or cannot be considered novel or cannot involve an Inventive step when the 'Y' document of particular relevance, the cannot be considered to involve a document is combined with one or ments, such combination being ob in the art	document is taken alone the claimed invention inventive step when the
'P' docum	nent published prior to the international filing date but than the priority date claimed	*&' document member of the same pate	
	ne actual completion of the international search	Date of mailing of the international	search report
	18 July 2005	26/07/2005	
Name and	d mailing address of the ISA  European Patent Office, P B 5818 Patentlaan 2  NL - 2280 HV RISWIk  Tcl (+31-70) 340-2040, Tx 31651 cpo nl,  Fax (+31-70) 340-3016	Authorized officer  Krauss , J	

## INTERNATIONAL SEARCH REPORT

Int onal Application No
PCT/IB2004/051996

	Relevant to claim No		
Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim 180		
US 2 010 712 A (COOLIDGE WILLIAM D) 6 August 1935 (1935-08-06) page 2, right-hand column, lines 9-17; figure 3	2		
DE 30 22 127 Al (HAHN-MEITNER-INSTITUT FUER KERNFORSCHUNG BERLIN GMBH, 1000 BERLIN, DE) 7 January 1982 (1982-01-07)			
	6 August 1935 (1935-08-06) page 2, right-hand column, lines 9-17; figure 3  DE 30 22 127 Al (HAHN-MEITNER-INSTITUT FUER KERNFORSCHUNG BERLIN GMBH, 1000 BERLIN, DE) 7 January 1982 (1982-01-07)		

## INTERNATIONAL SEARCH REPORT

ormation on patent family members

Inte inal Application No
PCT/IB2004/051996

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2002048344	Al	25-04-2002	DE	10050810		18-04-2002
			EP	1197470	A2	17-04-2002
			JP	2002197973	A	12-07-2002
US 5478266	Α	26-12-1995	US	5391958	 А	21-02-1995
			ΑU	6531394	A	08-11-1994
			Wo	9424691	Al	27-10-1994
us 2002048345	Al	25-04-2002	DE	10050811	Al	18-04-2002
			EΡ	1197983	Al	17-04-2002
			JP	2002156499	A	31-05-2002
us 2010712	 А	06-08-1935	FR	40803	<del></del>	23-08-1932
			GB	388836	A	09-03-1933
DE 3022127	Al	07-01-1982	NONE			